

The Bilingual Browser

A delusion offered for sharing

Dave Cridland

VP Engineering (XMPP) - Isode Ltd

I think

Web Browsers

should speak

XMPP

and

HTTP

natively.

isode

Isode

- UK Software product company
 - 28 employees, 20 engineers
 - Sarcastic asshole in charge of XMPP products
 - Profitable, growing
 - Business model: Isode → Partner(s) → End-User
- XMPP Products:
 - M-Link (XMPP Instant Messaging & Multi-User Chat Server)
 - M-Link Edge (XMPP “firewall”)
 - Swift (Open-source code, commercial support)
 - Swiften & Stroke (C++ and Java XMPP SDK)
- Strong commitment to Open Standards
 - ~170 RFCs through the IETF (Including LDAP, SASL)
 - 14 XEPs through the XSF

Dave Cridland

- VP Engineering (XMPP) at Isode
 - Looks after the XMPP product line
 - Sarcastic arsehole, according to Marketing
- Open Standards Guy
 - Email, particularly mobile
 - XMPP
 - Application security
- Delusional
 - Wrote the only full ACAP server
 - And the only full client
 - May explain this talk
- Subversive
 - According to British Intelligence

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Using:

HTTP

Application

Addressability

Delivery

Identity

Browser and User

XMPP

Microcontent Delivery

and it's got an 'X' in it.

You're not going to settle for anything less than

Awesome

in the

Applications

you create,

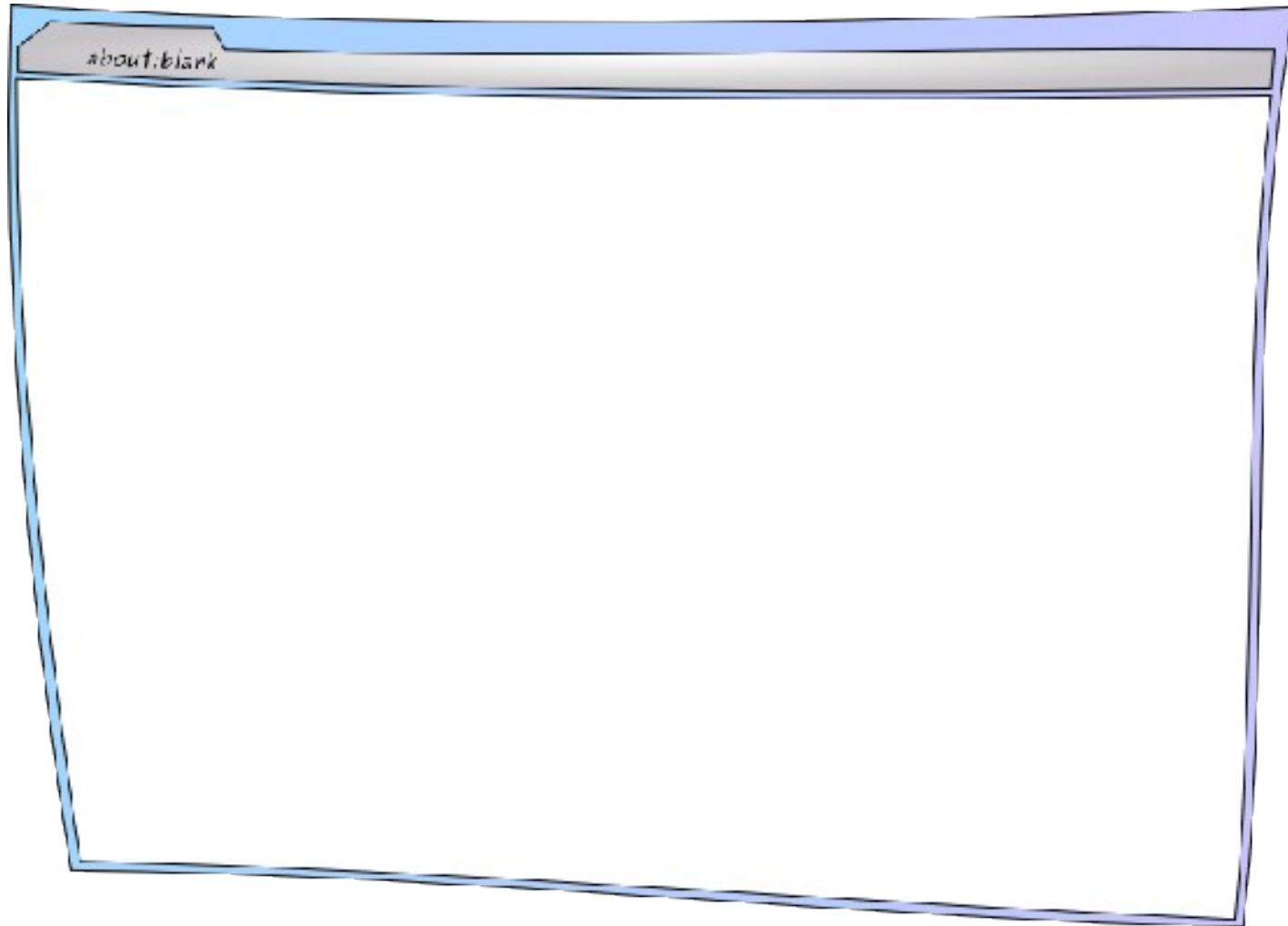
So why settle for a

Piss-poor

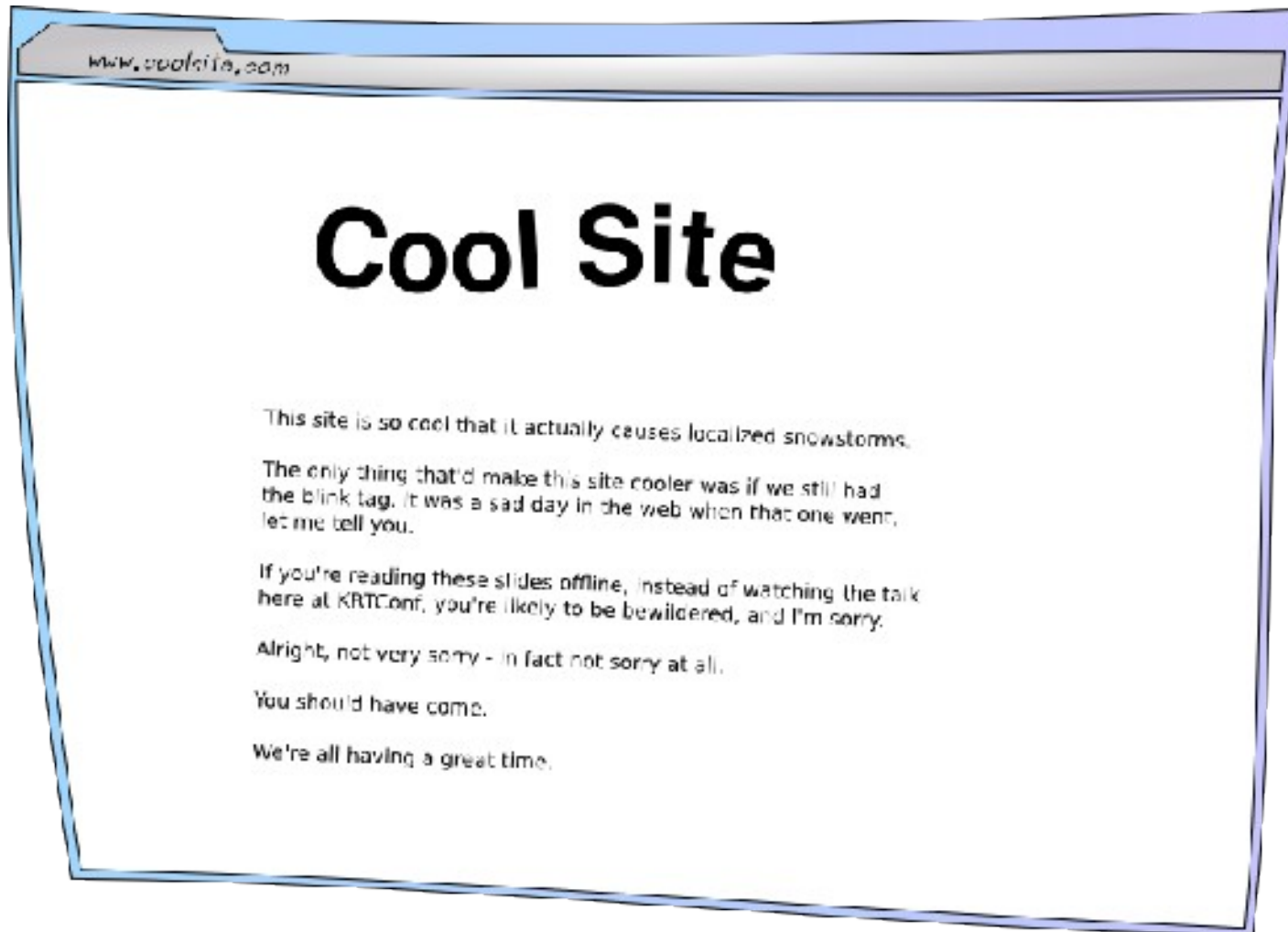
Platform?

isode

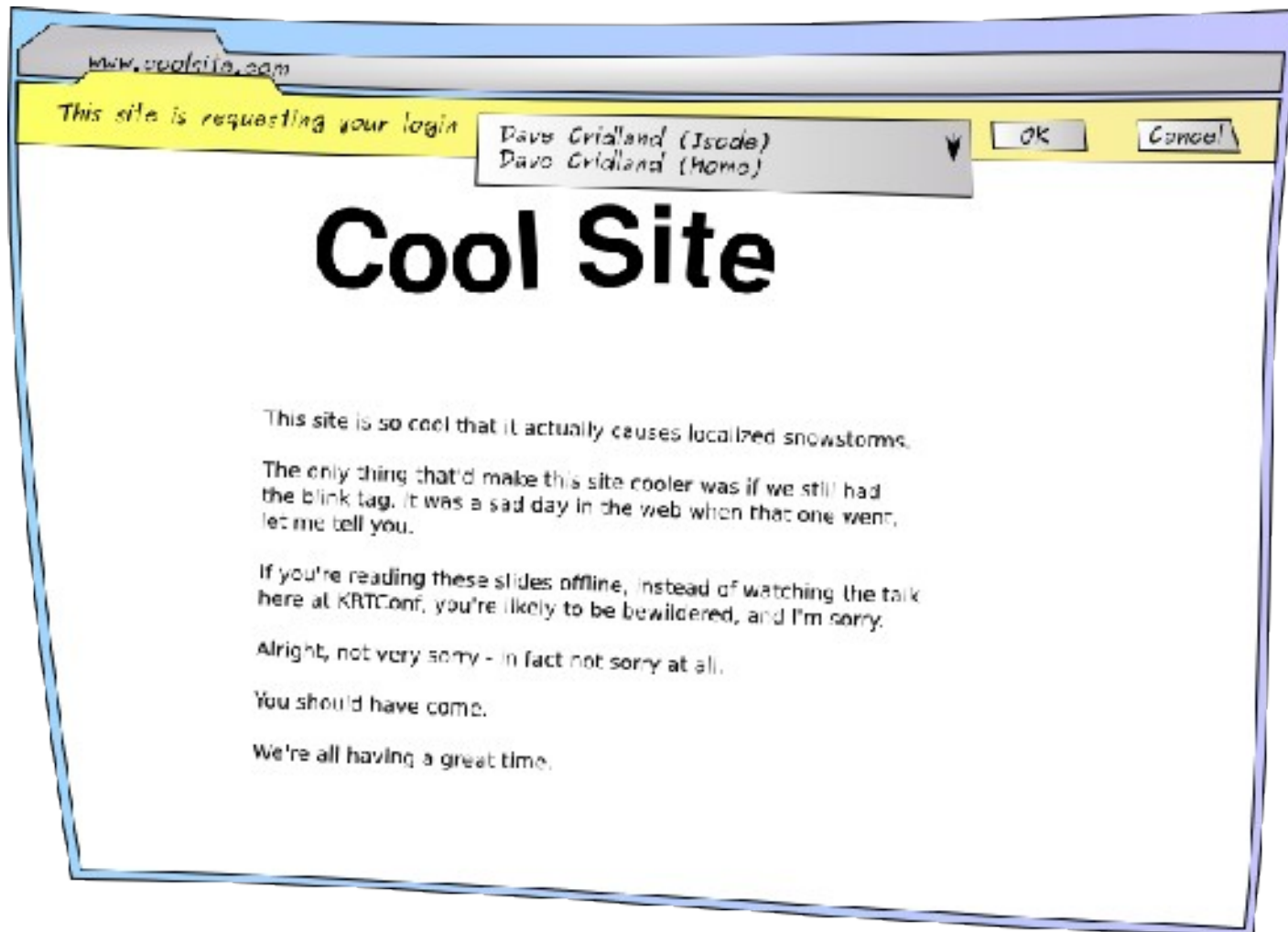
This is your platform



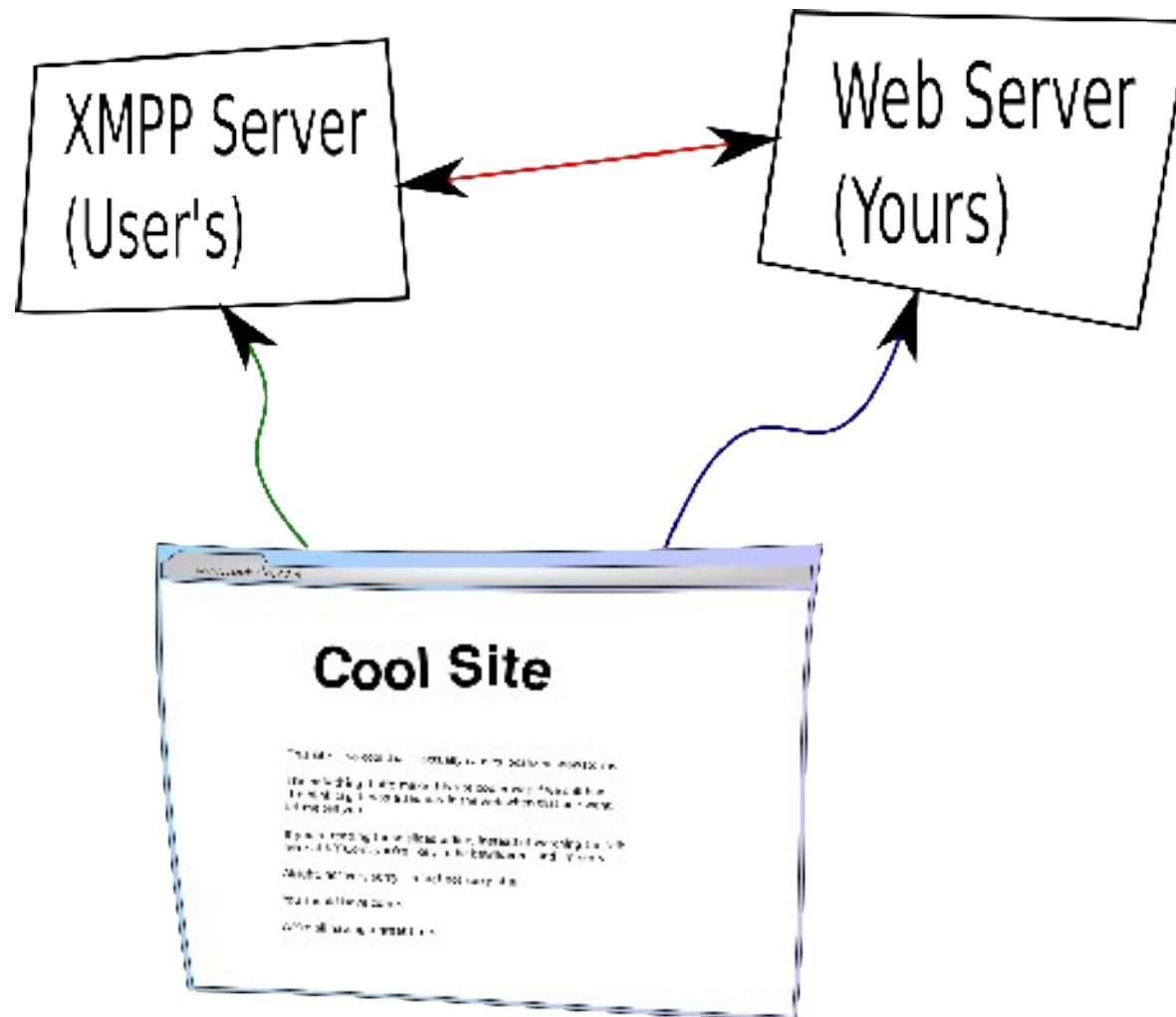
To run an app, we visit a site



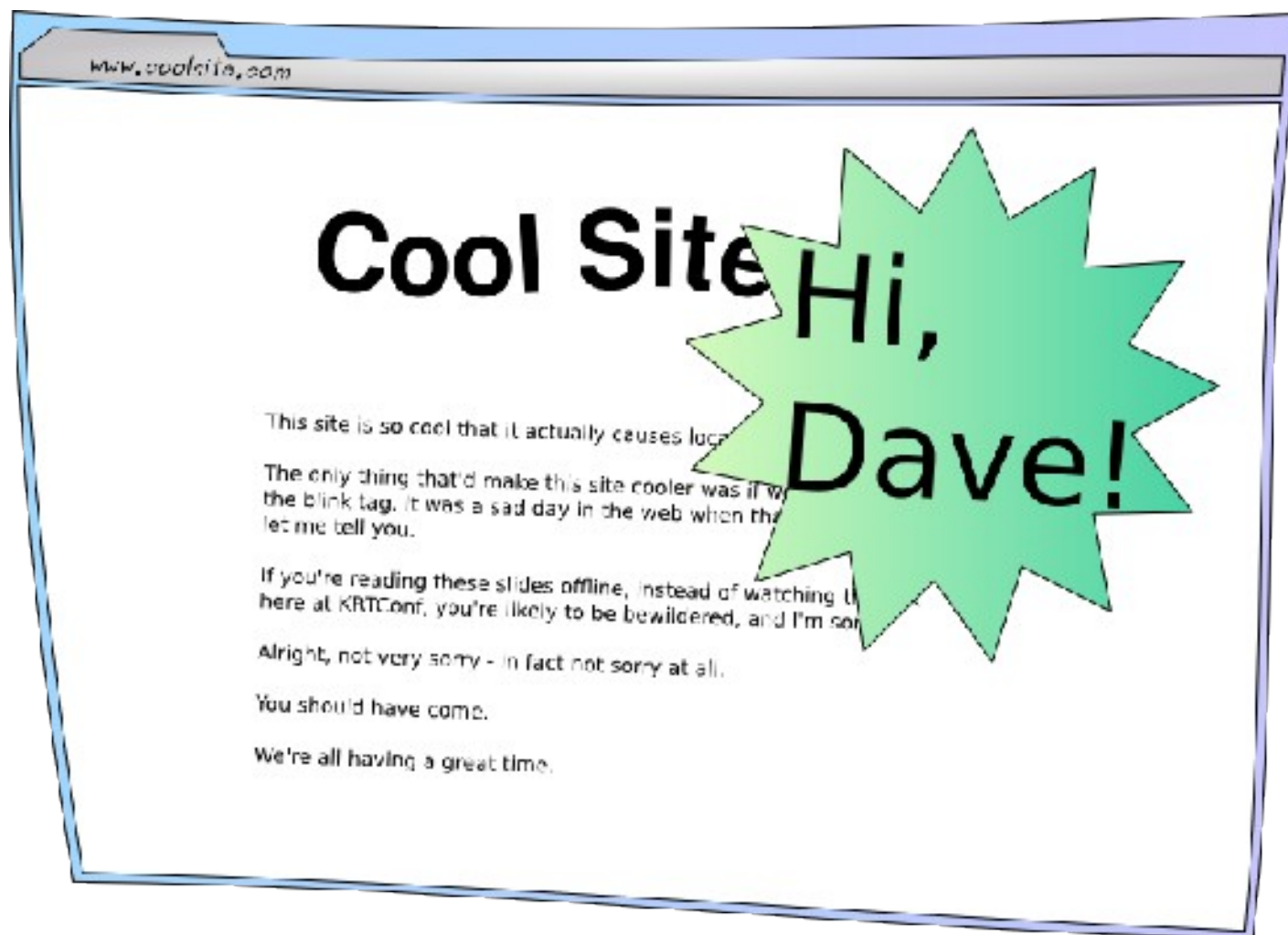
The site requests our identity



Behind the scenes



Identity proven



What Now?

Browser Presence

- Cool Site now knows how long the user is really browsing

Microcontent push

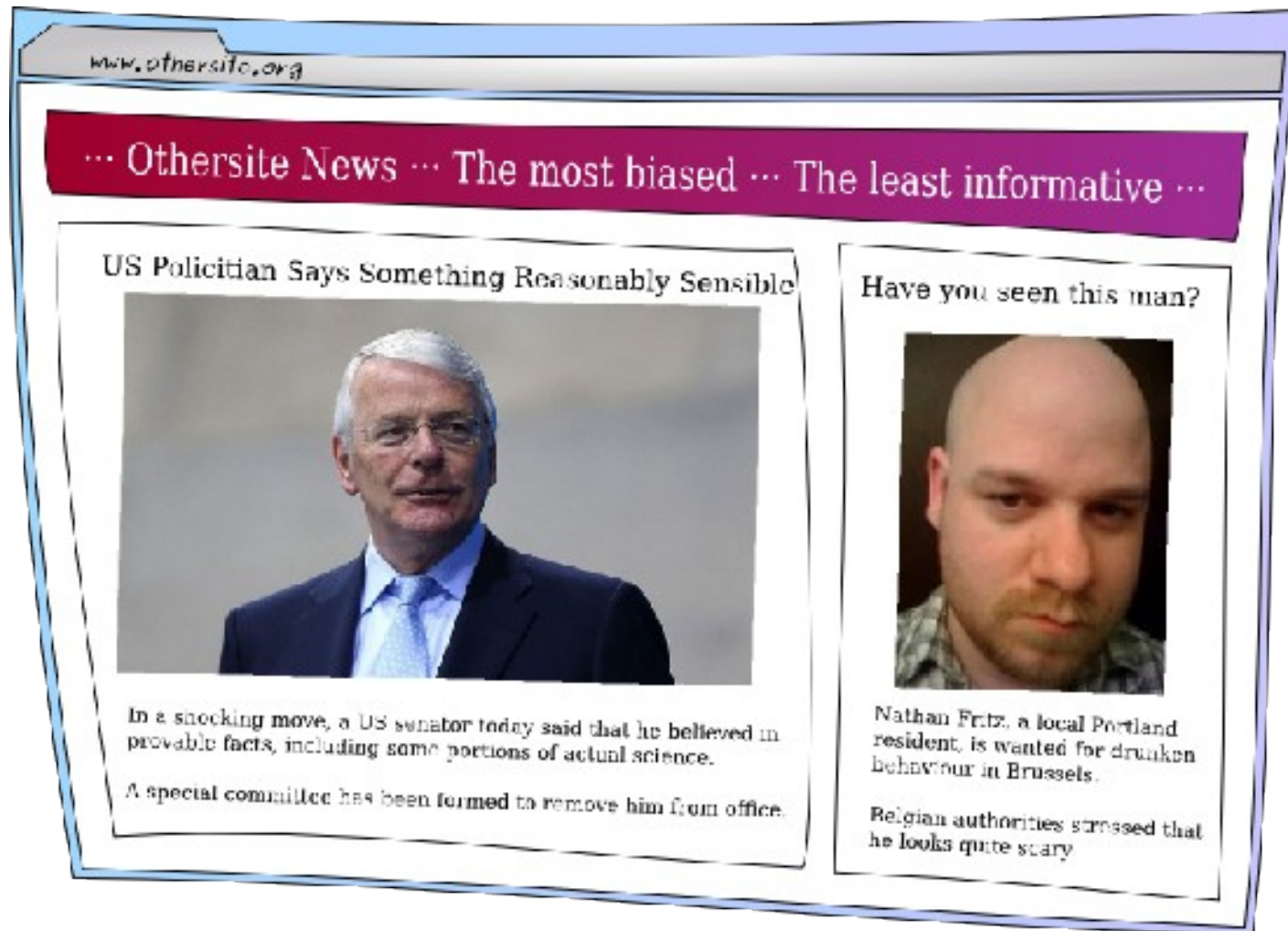
- Knows the full jid of the browser for microcontent and updates

True shared identity

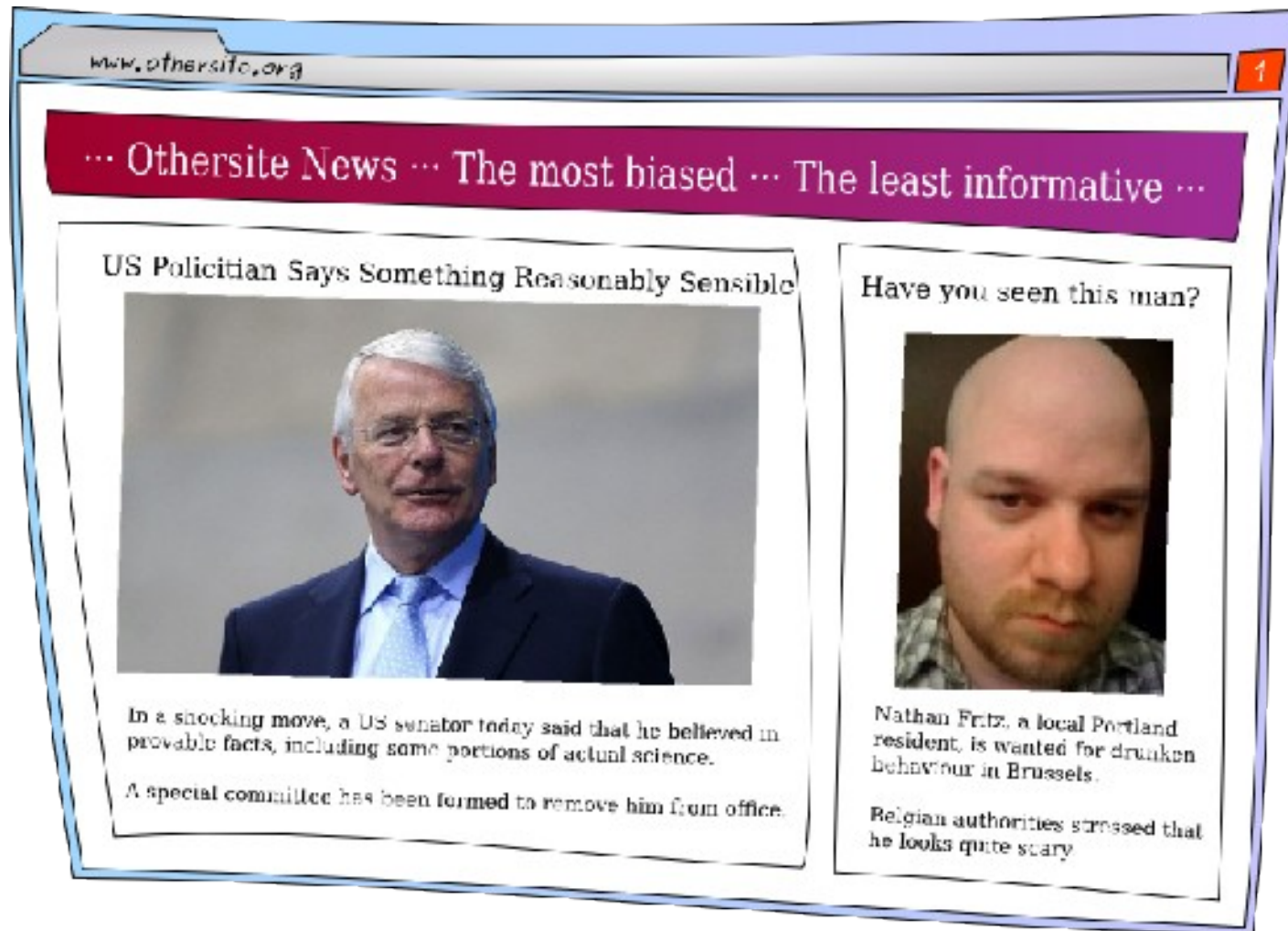
- No need for profile data; all accessible through XMPP
- Bare jid gives long-term relationship

Hey! Pubsub!

Another Day, An Other Site



But what's this?



Ew! Protocol!

```
<message to='dwd@dave.cridland.net' type='headline'  
from='coolsite.com' id='asdi78ysvodv'>
```

User's XMPP address

```
<event xmlns='http://jabber.org/protocol/pubsub#event'>
```

Website's XMPP Address

```
<items node='webapps-updates'>
```

Browser fetches render
app from this URI...

```
<item id='as789do8vhd'>
```

```
<webnotify xmlns='urn:some:xmlns:here'
```

```
renderuri='http://www.coolsite.com/render.html'>
```

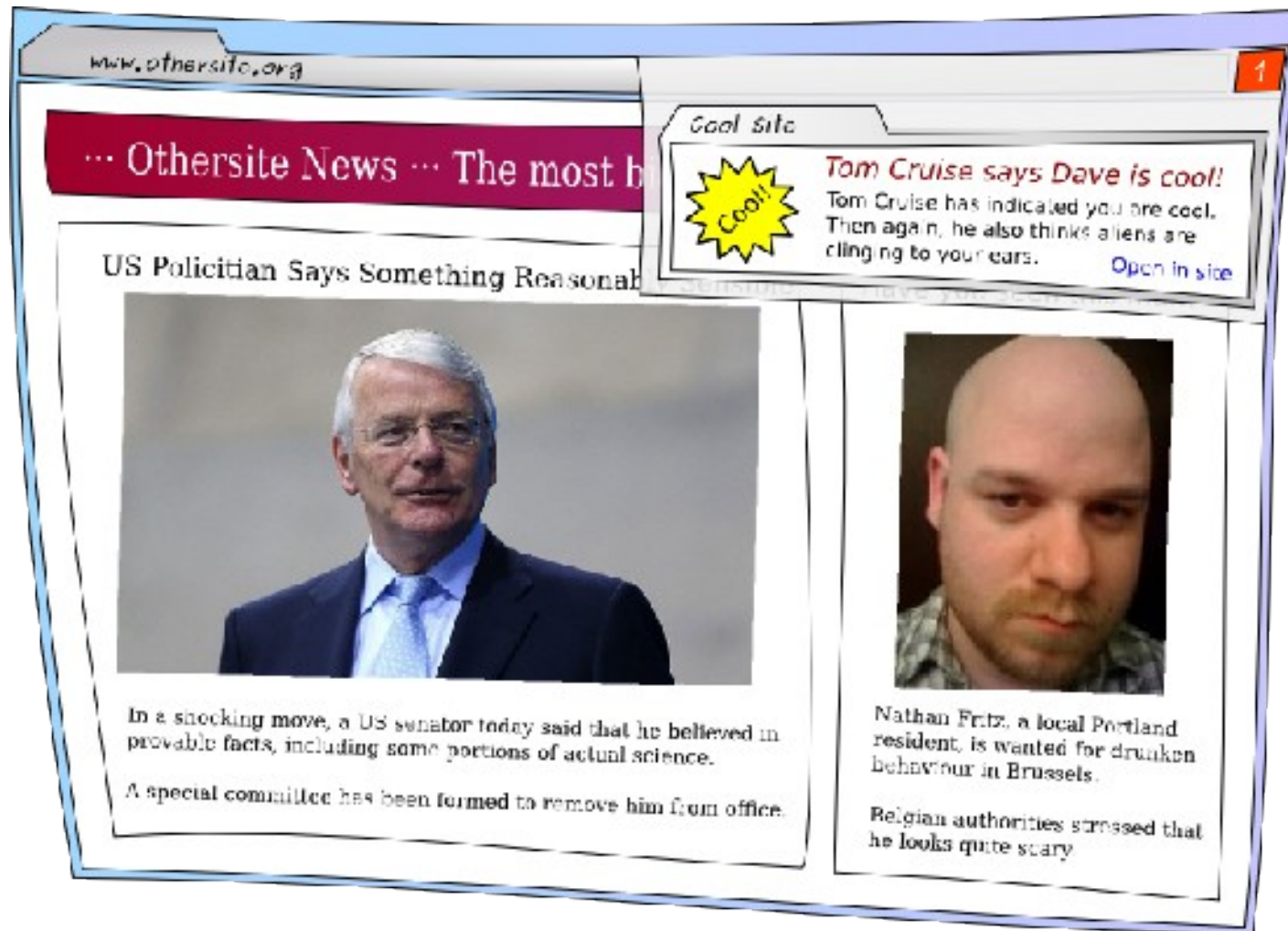
and renders this data
using the app.

```
<cool xmlns='http://www.coolsite.com/cool'>
```

```
<otheruser uid='239874'>Tom Cruise</otheruser>
```

```
<comment>Then again, he also thinks aliens are clinging to your
```


Ta-da!



Et Voilà!

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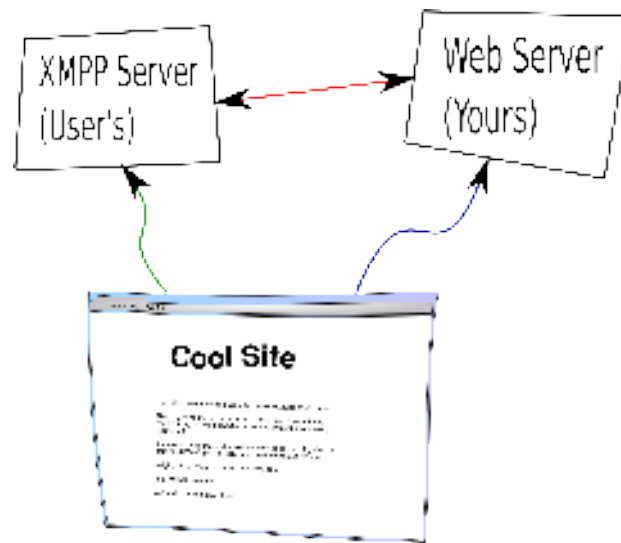
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This is your platform



isode

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